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1 [Web services for digital rights management and copyright protection](#)

 [Dimitrios K. Tsolis, Theodore S. Papatheodorou](#)
September 2008 **DIMEA '08: Proceedings of the 3rd international conference in Entertainment and Arts**

Publisher: ACM

Full text available:  [Pdf \(763.02 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [bib](#)

Bibliometrics: Downloads (6 Weeks): 20, Downloads (12 Months): 138, Citation

The paper focuses on the implementation of an advanced digital rights management system which supported by web services offers copyright protection and management. The main components of the DRM system are a digital image library, ...

Keywords: copyright protection, digital rights management system, management, services

2 [Opportunities for watermarking standards](#)

 [Fred Mintzer, Gordon W. Braudaway, Alan E. Bell](#)
July 1998 **Communications of the ACM**, Volume 41 Issue 7

Publisher: ACM

Full text available:  [Pdf \(672.37 KB\)](#) Additional Information: [full citation](#), [references](#), [cite](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 60, Citation

3 [Print signatures for document authentication](#)

 [Baoshi Zhu, Jiankang Wu, Mohan S. Kankanhalli](#)
October 2003 **CCS '03: Proceedings of the 10th ACM conference on Computer and communications security**

Publisher: ACM

Full text available:  [Pdf \(646.81 KB\)](#) Additional Information: [full citation](#), [abstract](#), [bib](#)

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 87, Citation

We present a novel solution for authenticating printed paper documents based on the non-repeatable randomness existing in the printing process. For a document, extract the unique features of the non-repeatable ...

Keywords: authenticity, laser printer, originality, print signature

4 [Composite subset measures](#)

Lei Chen, Raghu Ramakrishnan, Paul Barford, Bee-Chung Chen, Vinod Yegi
September 2006 **VLDB '06**: Proceedings of the 32nd international conference
Publisher: VLDB Endowment

Full text available:  [Pdf \(457.48 KB\)](#) Additional Information: [full citation](#), [abstract](#), [eprint](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 50, Citation (

Measures are numeric summaries of a collection of data records produced by functions. Summarizing a collection of subsets of a large dataset, by computing a subset in the (typically, user-specified) collection is ...

5 Dynamic graph-based software fingerprinting

 Christian S. Collberg, Clark Thomborson, Gregg M. Townsend
October 2007 **Transactions on Programming Languages and Systems**

Publisher: ACM

Full text available:  [Pdf \(1.48 MB\)](#) Additional Information: [full citation](#), [abstract](#), [eprint](#)

Bibliometrics: Downloads (6 Weeks): 28, Downloads (12 Months): 261, Citation (

Fingerprinting embeds a secret message into a cover message. In media, usually a copyright notice and the cover a digital image. Fingerprinting is used to detect intellectual property theft, or when such theft has occurred, ...

Keywords: Software piracy, software protection, watermarking

6 In business today and tomorrow

 Jian Zhao, Eckhard Koch, Chenghui Luo
July 1998 **Communications of the ACM**, Volume 41 Issue 7

Publisher: ACM

Full text available:  [Pdf \(527.15 KB\)](#) Additional Information: [full citation](#), [references](#), [cite](#), [review](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 70, Citation (

7 Populating the Hermitage Museum's new web site

 Fred Mintzer, Gordon W. Braudaway, Francis P. Giordano, Jack C. Lee, Karen D'Auria, Amnon Ribak, Gil Shapir, Fabio Schiattarella, John Tolva, Andrey Zolotov
August 2001 **Communications of the ACM**, Volume 44 Issue 8

Publisher: ACM

Full text available:  [Html \(35.84 KB\)](#),  [Pdf \(1.04 MB\)](#) Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 83, Citation (

8 Communications of the ACM: Volume 51 Issue 2

 February 2008 **Communications of the ACM**

Publisher: ACM

Full text available:  [Digital Edition](#),  [Pdf \(3.89 MB\)](#) Additional Information: [full citation](#), [abstract](#)

Bibliometrics: Downloads (6 Weeks): 305, Downloads (12 Months): 2692, Citation (

9 Detecting steganography on a large scale

 William Ella
December 2008 **Crossroads**, Volume 15 Issue 2

Publisher: ACM

Full text available:  Pdf (1.61 MB)

Additional Information: [full citation](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 29, Downloads (12 Months): 29, Citation

10 Digital access to antiquities

 Henry M. Gladney, Fred Minizer, Fabio Schiattarella, Julián Bescós, Martín J. González, April 1998 **Communications of the ACM**, Volume 41 Issue 4

Publisher: ACM

Full text available:  Pdf (1.01 MB) Additional Information: [full citation](#), [references](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 74, Citation (0)

11 Reconfigurable hardware solutions for the digital rights management

 G. Rouvroy, F.-X. Standaert, F. Lefèbvre, J.-J. Quisquater, B. Macq, J.-D. Lachaud, October 2004 **DRM '04: Proceedings of the 4th ACM workshop on Digital rights management**

Publisher: ACM

Full text available:  Pdf (440.86 KB) Additional Information: [full citation](#), [abstract](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 4, Downloads (12 Months): 65, Citation (0)

This paper presents a hardware implementation of a decoder for Digital Rights Management. It enables us to deal with image size of 2K with 24 frames per second and is the first implementation known nowadays that perfectly ...

Keywords: AES, DRM, FPGA, JPEG 2000, digital cinema, watermarking

12 Constructing a virtual primary key for fingerprinting relational data

 Yingjiu Li, Vipin Swarup, Sushil Jajodia, October 2003 **DRM '03: Proceedings of the 3rd ACM workshop on Digital rights management**

Publisher: ACM

Full text available:  Pdf (240.49 KB) Additional Information: [full citation](#), [abstract](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 6, Downloads (12 Months): 63, Citation (0)

Agrawal and Kiernan's watermarking technique for database relations [1] and that of Li et al. [2] both depend critically on primary key attributes. Hence, they cannot watermark relations without primary key ...

Keywords: fingerprinting, primary keys, relational databases, robustness

13 Compiler optimizations for nondeferred reference: counting garbage

 Pramod G. Jaiswal, June 2006 **ISMM '06: Proceedings of the 5th international symposium on memory management**

Publisher: ACM

Full text available:  Pdf (220.00 KB) Additional Information: [full citation](#), [abstract](#), [cited by](#)

Bibliometrics: Downloads (6 Weeks): 2, Downloads (12 Months): 32, Citation (0)

Reference counting is a well-known technique for automatic memory management. It has several advantages over other forms of garbage collection. However, on account of the overhead associated with the maintenance of up-to-date tallies of references ...

Keywords: reference counting, static analyses

14 Secure rural supply chain management using low cost paper watermarking

 **Ashlesh Sharma, Lakshminarayanan Subramanian, Eric A. Brewer**
August 2008 **NSDR '08**: Proceedings of the second ACM SIGCOMM workshop on developing regions

Publisher: ACM

Full text available:  [PDF](#) (315.26 KB)

Additional Information: [full citation](#), [abstract](#), [bib](#)

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 67, Citation

Supply chain systems in rural developing regions are extremely fragile and vulnerable to a range of security threats including theft, fraud and counterfeit goods. In this paper, we propose the design of a secure, low cost supply chain management ...

Keywords: paper authentication, paper speckle, supply chain

15 What do we know about biometrics authentication?

 **Michelle Boatwright, Xin Luo**
September 2007 **InfoSecCD '07**: Proceedings of the 4th annual conference on Information security curriculum development

Publisher: ACM

Full text available:  [PDF](#) (87.13 KB)

Additional Information: [full citation](#), [abstract](#), [bib](#)

Bibliometrics: Downloads (6 Weeks): 99, Downloads (12 Months): 359, Citation

There are many types of network security measures. One way of doing authentication is biometrics authentication, which is a method utilized by matching an individual's general characteristics with data that have previously been captured, ...

Keywords: authentication, biometrics

16 An efficient parts-based near-duplicate and sub-image retrieval system

 **Yan Ke, Rahul Sukthankar, Larry Huston**
October 2004 **MULTIMEDIA '04**: Proceedings of the 12th annual ACM international conference on Multimedia

Publisher: ACM

Full text available:  [PDF](#) (573.85 KB)

Additional Information: [full citation](#), [abstract](#), [bib](#)

Bibliometrics: Downloads (6 Weeks): 32, Downloads (12 Months): 200, Citation

We introduce a system for near-duplicate detection and sub-image retrieval that is useful for finding copyright violations and detecting forged images. We define near-duplicate detection as the detection of images that have been altered with common transformations such as changing ...

Keywords: interest points, local image descriptors, locality-sensitive hashing, image detection, sub-image retrieval

17 Video booklet: a natural video searching and browsing interface

 **Cai-Zhi Zhu, Xian-Sheng Hua, Tao Mei, Xiu-Qing Wu**
November 2005 **MIR '05**: Proceedings of the 7th ACM SIGMM international conference on Multimedia information retrieval

information retrieval

Publisher: ACMFull text available:  [Pdf](#) (1.74 MB)Additional Information: [full citation](#), [abstract](#), [e](#)**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 38, Citation (

In this paper, we propose a novel system, named Video Booklet, which personal video browsing and searching. In the system, firstly representations of video segments are selected through an elaborate ...

Keywords: active shape models, self-training, video album, video book summarization

18 Randomized radon transforms for biometric authentication via finger Mariusz H. Jakubowski, Ramarathnam VenkatesanOctober 2007 **DRM '07**: Proceedings of the 2007 ACM workshop on Digital I
Publisher: ACMFull text available:  [Pdf](#) (282.42 KB)Additional Information: [full citation](#), [abstract](#), [e](#)**Bibliometrics:** Downloads (6 Weeks): 11, Downloads (12 Months): 168, Citation (

We present a new technique for generating biometric fingerprint hashes contained in human fingerprints. Our method calculates and aggregates metrics over fingerprint images, producing short hash strings ...

Keywords: authentication, biometrics, fingerprints, hashing, radon tra

19 Public key superstructure "it's PKI Jim, but not as we know it!" Stephen WilsonMarch 2008 **IDtrust '08**: Proceedings of the 7th symposium on Identity an
Publisher: ACMFull text available:  [Pdf](#) (684.07 KB)Additional Information: [full citation](#), [abstract](#), [e](#)**Bibliometrics:** Downloads (6 Weeks): 52, Downloads (12 Months): 253, Citation (

While PKI has had its difficulties (like most new technologies) the unique authentication in paperless transactions is now widely acknowledged. The all-purpose identity system has given way to a ...

Keywords: PKI, authentication, digital certificates, public key infrastruc

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